# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 06:00 on Wednesday 10 Mar 2021 until 23:59 on Thursday 11 Mar 2021

Forecast Issued on Wednesday 10 Mar 2021 at 00:38

**Confidence:** High for general themes. Lower for more persistent rain or snow on Friday night.

**Headline for Wednesday 10 Mar 2021:** Cloudy with spells of rain, heavy at times. Strong to gale force southwesterly winds. Extensive hill fog.

**Mountain weather hazards on Wednesday 10 Mar 2021**

**Blizzards**
No Likelihood

**Heavy Snow**
No Likelihood

**Storm force winds**
Low Likelihood

**Gales**
High Likelihood

**Severe chill effect**
High Likelihood

**Poor visibility**
High Likelihood

**Thunderstorms**
No Likelihood

**Heavy persistent rain**
High Likelihood

**Strong sunlight**
No Likelihood

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Heavy Rain | Heavy Rain | Heavy Rain | Heavy Rain | Light rain showers (night) | Light rain showers (night) |
| Precipitation probability | | | | | |
| 90% | 70% | 80% | 40% | 30% | 40% |

**Forecast for Wednesday 10 Mar 2021**

**Weather:** Staying cloudy with rain at times, some of this heavy. Then turning more showery during the evening with the cloud breaking up too.

**Chance of cloud free mountain/hill tops above 600m:** Little chance until it turns clearer in the evening.

**Visibility:** Mostly poor in heavy rain and drizzle, also in cloud which will be extensive at 500-600m occasionally 450m in the north. Becoming mainly good in the evening away from showers.

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# Mountain Weather Forecast

**Forecast for Wednesday 10 Mar 2021**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 36/45 SW | 26/36 SW | 25/34 SW | 29/40 SW | 33/46 SW | 37/52 SW | 39/54 SW |
| **300** | 30/41 S | 20/31 SW | 18/27 SW | 23/34 S | 24/37 SW | 28/42 SW | 29/44 SW |
| **Valley** | 17/38 SW | 14/29 SW | 12/26 SW | 13/31 S | 16/35 SW | 19/42 SW | 19/42 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 3/-5 | 4/-2 | 5/-1 | 6/1 | 7/2 | 6/0 | 5/-2 |
| **300** | 5/-2 | 6/1 | 7/3 | 8/4 | 9/5 | 9/4 | 7/2 |
| **Valley** | 5/0 | 6/2 | 7/4 | 9/6 | 10/6 | 9/6 | 8/4 |
| **Freezing Level*** | 1600m | 1600m | 1900m | 2300m | 2000m | 1600m | 1200m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

A poor day with conditions changing as demonstrated by the wind and temperature table. Gusts of summits may exceed 65mph.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 03:00 on Wed 10 Mar 2021 | N/A | N/A | N/A |

**Forecast for Thursday 11 Mar 2021**

**Weather:** A longer spell of rain late in the night and early morning, clearing to broken cloud and occasional showers around daybreak. These showers turning increasingly to snow above 600m later in the afternoon and evening.

**Maximum wind:** Very windy overnight with southwesterly winds becoming westerly reaching mean speeds of 45mph with gusts 65mph. Winds then slowly but steadily decreasing to 35mph gusting 55mph by midday and 25mph gusting 45mph in the evening.

**Chance of cloud free mountain/hill tops above 600m:** Little chance at first, but improving 80-90% by day.

**Visibility:** Poor in rain overnight and at first in morning. Mainly good away from the cloud by day, with brief reductions to moderate or poor in showers. Broken cloud, mainly above summits but some summit patches clinging on, and bases dropping to 600-700m at times near showers.

**Temperature:** **Valleys:** Plus 7 Celsius in early hours falling to Plus 5 during the day and Plus 2 in the evening.
**At 600m:** Plus 3 Celsius in early hours falling to Plus 1 in the morning and Minus 1 by evening. Severe wind chill.
**Freezing level:** Above summits falling to 600m by evening.

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